

### COMPOSITE HIGH FREQUENCY COMPONENT

Publication number: JP9200077

**Publication date:** 1997-07-31

**Inventor:** FURUYA KOUJI; NAKAJIMA NORIO; TONEGAWA KEN; KATOU MITSUhide; TANAKA KOJI; UEDA TATSUYA

Applicant: MURATA MANUFACTURING CO

**Classification:**

- International: H01F27/00; H01P1/15; H01P1/203; H03H7/01;  
H04B1/44; H01F27/00; H01P1/10; H01P1/20;  
H03H7/01; H04B1/44; (IPC1-7): H04B1/44; H01F27/00;  
H03H7/01

- European: H01P1/15; H01P1/203

Application number: JP19960004864 19960116

Priority number(s): JP19960004854 19960116

**Also published as:**

 EP0785590 (A[Report a data error here](#)

### Abstract of JP9200077

**PROBLEM TO BE SOLVED:** To provide a composite high frequency component in which an occupied area and volume for a device to be mounted is reduced so as to improve the flexibility of the circuit arrangement and an impedance matching circuit is not required.

**SOLUTION:** A composite high frequency component 10 includes a multi-layered board, diodes D1, D2 being high frequency switch components, and a printed circuit board. On the outside of the multi-layered board, a transmission circuit use external electrode TX, a reception circuit external electrode RX, an antenna external electrode AN, control external electrodes Vc1, Vc2 and a ground potential external electrode, and in the inside of the multi-layer board, strip lines L1-L3 and capacitors C1-C6 being components of a high frequency switch 1 and strip lines L4, L5 and capacitors C7-C9 being low-pass filter components 2 are formed.

